

## Technical Purchase Description for a Heavy Duty Cleaner/Degreaser Concentrate for Non-Machinery and non-Bilge Areas

**1. Scope.** The heavy duty cleaner/degreaser concentrate authorized for shipboard application shall be a liquid emulsifier and water base cleaner that may be used full strength or diluted with water, proportions varying with soil and surface. The cleaner shall be non-toxic, biodegradable, alkaline, but not caustic. The cleaner is intended for most metal surfaces (including aluminum, brass, cadmium, copper, steel, magnesium, and stainless steel); on household and industrial walls and concrete floors; on paint and other finishes, on glass, upholstery, plastic, and tires. The cleaner shall remove grease, oil, dirt, and wax from non-machinery and non-bilge general areas throughout the ship. This cleaner/degreaser may not be used as a substitute for Planned Maintenance Systems (PMS) on equipments where a specific cleaning agent has been designated.

### 2. Units of Issue.

Size	Description
1	Two (2) ½ gallon containers per box
2	Six (6) one gallon containers per box
3	One (1) 2.5 gallon container
4	As specified

### 3. Requirements

**3.1** The cleaning compound concentrate shall comply with the most recent version of the **Green Seal Standard for Cleaning/Degreasing Agents**. The skin and eye irritation requirements in this standard are optional and may be waived for this TPD. (Other commercially acceptable test methods may be considered as an alternate. If historic documentation for the biodegradability test is available for the individual components of the product formulation, this information will also be accepted in lieu of the specified cleaning product).

**3.2 Reproductive Hazards.** The cleaning compound concentrate shall not contain the following materials which represent occupational reproductive hazardous chemicals in concentrations equal to or greater than 0.1% (by weight): acetohydroxamic acid, aminopterin, arsenic, benomyl, benzene, bromoxynil, cadmium, carbon disulfide, carbon monoxide, chlordecone, cyanazine, cycloheximide, cyhexatin, dinocap, dinoseb, 1,2-dibromo-3-chloropropane, m-dinitrobenzene, o-dinitrobenzene, p-dinitrobenzene, epichlorohydrin, ethylene glycol monoethyl ether, ethylene glycol monoethyl ether acetate, ethylene glycol monomethyl ether, ethylene monomethyl ether acetate, ethylene oxide, hexachlorobenzene, hydroxurea, lead, mercury and mercury compounds, methyl bromide, methyl mercury, nickel carbonyl, polybrominated biphenyls, polychlorinated biphenyls, 2,3,7,8-tetrachloro-dibenzo-para-dioxin, toluene, warfarin, and any other chemical species listed in OPNAVINST 5100.23, Chapter 29, Appendix 29-B. The most current version of the instruction can be obtained from the internet website: <http://www.navosh.net>.

**3.3 Material Safety Data Sheets (MSDSs).** The contracting activity shall be provided a material safety data sheet with each contract bid/proposal or prior to contract award. The MSDS shall be provided in accordance with the requirements of FED-STD-313 and 29 CFR 1910.1200, Hazardous Communication Standard. The MSDS shall be included with each shipment of the material covered by this TPD. The MSDS must be the most current version for the product.

**3.4 Shelf Life.** The concentrate shall have a minimum shelf life of 36 months.

**3.5 Hazardous Waste.** The cleaning concentrate shall not be classified as a hazardous waste in accordance with 40 CFR 261.

**4. Regulatory Requirements.**

**4.1 Environmental Considerations.** The product delivered under this TPD shall be in accordance with the environmental requirements of 40 CFR.

**4.2 Transportation.** The transportation of the product delivered under this TPD shall be in accordance with 49 CFR.

**4.3 Recycling.** The contractor is encouraged to use recovered materials in accordance with Public Law 94-580 to the maximum extent practicable.

**5. Preferable Characteristics.** The cleaning compound concentrates not containing the chemicals listed below will be favored over products that do contain them. The acceptance of products that contain these chemicals for shipboard application will be dependent on the amount present in the listed formulation. Acceptance of the cleaner will be determined on a case by case basis.

**5.1 Alkyl Phenyl Ethoxylates (APE's).**

**5.2 Dyes and Fragrances -** Undesirable and unnecessary dyes and fragrances.

**6. QUALITY ASSURANCE PROVISIONS**

**6.1 Contractor Certification.** The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this TPD and that the product conforms to the producer's own drawings, specifications, standards, and quality assurance practices and is the same product offered for sale in the commercial market place. The Government reserves the right to require proof of such conformance prior to first delivery, and thereafter as may be otherwise provided for under the provisions of the contract.

**6.2 Market Acceptability.** The following market acceptability criteria are necessary to document the quality of the product to be provided under this TPD:

- a) The company furnishing the ready-to-use cleaner must have been producing a product meeting the requirements of this technical purchase description for at least 6 months.
- b) The Government reserves the right to require proof of such conformance.

**7. Packaging.** The item(s) shall be packaged and packed in accordance with the latest revision of ASTM D 3951, Standard Practice for Commercial Packaging, unless specified in contract or order.

**8. Sources of Documents**

**8.1** Copies of Green Seal Standards may be obtained from Green Seal, 1001 Connecticut Ave, NW, Suite 827, Washington DC 20036-5525. Website: [www.greenseal.org](http://www.greenseal.org).

**8.2** Copies of the Code of Federal Regulations (CFR) and Federal Acquisition Regulation (FAR) may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Website: HYPERLINK <http://www.access.gpo.gov/nara/cfr/cfr-table-sarch.html>.

**8.3** Copies of ASTM test methods may be obtained from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959. Website: [www.astm.org](http://www.astm.org).

**8.4** Copies of Public Law 94-580 "Resource Conservation & Recovery Act" (RCRA) may be obtained from Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

**8.5** Copies of Federal Standards may be obtained from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094. Website:  
<http://www.dodssp.daps.mil>.